

FIG.1

GGGCAAAACTCTTCCCCCCGGGATTTATATGGGAAAGGGGAAACTTTGGC CCGTATTCAAGCGCCACGGGTTTTGGGGCGGAATGAATTTTTTCGTTCCG GAAAAAGTAATTCCCCGGGAACGTAGGGTATCGGTTTCATAGGCTCGCCA AATGGGATATAGGTGGAAAGGTAAAAAAAACTGAGCCAAGCAAAGGATAG AGAAGTCTTGTAATCATCGCAGGTTAAAGGGGGGGATGTTATTTTAGCCTG CAAATAGTGTAATTATTGGATCCTGTAAAGAGAAAAGGACGAATGCGCTG AAGATAAGAACATTTATTGATATTAAATTATTAATTTTTTATGAAGCGGA GTAATTAATTTTATCTCTCAGCTTTTGTGTGATGCAAACGTCTTTCCATA AGTTCTTTCTTTCAATGATTCTAGCTTATTCTTGCTGCTCTTTAAATGGG GGGGGATATGCAGCAGAAATCATGGTTCCTCAAGGAATTTACGATGGGGA GACGTTAACTGTATCATTTCCCTATACTGTTATAGGAGATCCGAGTGGGA CTACTGTTTTTTCTGCAGGAGAGTTAACATTAAAAAATCTTGACAATTCT ATTGCAGCTTTGCCTTTAAGTTGTTTTGGGAACTTATTAGGGAGTTTTAC TGTTTTAGGGAGAGGACACTCGTTGACTTTCGAGAACATACGGACTTCTA CAAATGGGGCAGCTCTAAGTAATAGCGCTGCTGATGGACTGTTTACTATT GAGGGTTTTAAAGAATTATCCTTTTCCAATTGCAATTCATTACTTGCCGT ACTGCCTGCTGCAACGACTAATAAGGGTAGCCAGACTCCGACGACAACAT CTACACCGTCTAATGGTACTATTTATTCTAAAACAGATCTTTTGTTACTC AATAATGAGAAGTTCTCATTCTATAGTAATTTAGTCTCTGGAGATGGGGG AGCTATAGATGCTAAGAGCTTAACGGTTCAAGGAATTAGCAAGCTTTGTG TCTTCCAAGAAAATACTGCTCAAGCTGATGGGGGAGCTTGTCAAGTAGTC ACCAGTTTCTCTGCTATGGCTAACGAGGCTCCTATTGCCTTTGTAGCGAA TGTTGCAGGAGTAAGAGGGGGAGGGATTGCTGCTGTTCAGGATGGGCAGC AGGGAGTGTCATCATCTACTTCAACAGAAGATCCAGTAGTAAGTTTTTCC AGAAATACTGCGGTAGAGTTTGATGGGAACGTAGCCCGAGTAGGAGGAGG GATTTACTCCTACGGGAACGTTGCTTTCCTGAATAATGGAAAAACCTTGT AGTGGACAGGCTTCTAATACGAGTAATAATTACGGAGATGGAGGAGCTAT CTTCTGTAAGAATGGTGCGCAAGCAGGATCCAATAACTCTGGATCAGTTT CCTTTGATGGAGAGGGAGTAGTTTTCTTTAGTAGCAATGTAGCTGCTGGG AAAGGGGGAGCTATTTATGCCAAAAAGCTCTCGGTTGCTAACTGTGGCCC GAGAATCTGGAGAGCTCAGTTTATCTGCTGATTATGGAGATATTATTTTC

GATGGGAATCTTAAAAGAACAGCCAAAGAGAATGCTGCCGATGTTAATGG CGACATTAAGAGCTAAAGCAGGGCATCAGATTCTCTTTAATGATCCCATC GAGATGGCAAACGGAAATAACCAGCCAGCGCAGTCTTCCAAACTTCTAAA AATTAACGATGGTGAAGGATACACAGGGGATATTGTTTTTGCTAATGGAA CGTGAAAAGGCAAAATTATCAGTGAATTCTCTAAGTCAGACAGGTGGGAG TCTGTATATGGAAGCTGGGAGTACATGGGATTTTGTAACTCCACAACCAC CACAACAGCCTCCTGCCGCTAATCAGTTGATCACGCTTTCCAATCTGCAT TIGTCTCTTTCTTTGTTAGCAAACAATGCAGTTACGAATCCTCCTAC CAATCCTCCAGCGCAAGATTCTCATCCTGCAGTCATTGGTAGCACAACTG CTGGTTCTGTTACAATTAGTGGGCCTATCTTTTTTGAGGATTTGGATGAT ACAGCTTATGATAGGTATGATTGGCTAGGTTCTAATCAAAAAATCAATGT CCTGAAATTACAGTTAGGGACTAAGCCCCCAGCTAATGCCCCATCAGATT TGACTCTAGGGAATGAGATGCCTAAGTATGGCTATCAAGGAAGCTGGAAG CTTGCGTGGGATCCTAATACAGCAAATAATGGTCCTTATACTCTGAAAGC TACATGGACTAAAACTGGGTATAATCCTGGGCCTGAGCGAGTAGCTTCTT TGGTTCCAAATAGTTTATGGGGATCCATTTTAGATATACGATCTGCGCAT TCAGCAATTCAAGCAAGTGTGGATGGGCGCTCTTATTGTCGAGGATTATG GGTTTCTGGAGTTTCGAATTTCTTCTATCATGACCGCGATGCTTTAGGTC AGGGATATCGGTATATTAGTGGGGGTTATTCCTTAGGAGCAAACTCCTAC TTTGGATCATCGATGTTTGGTCTAGCATTTACCGAAGTATTTGGTAGATC TAAAGATTATGTAGTGTGTCGTTCCAATCATCATGCTTGCATAGGATCCG TITATCTATCTACCCAACAGCTTTATGTGGATCCTATTTGTTCGGAGAT GCGTTTATCCGTGCTAGCTACGGGTTTGGGAATCAGCATATGAAAACCTC ATATACATTICCAGAGGAGAGCGATGTTCGTTGGGATAATAACTGTCTGG CTGGAGAGATTGGAGCGGGATTACCGATTGTGATTACTCCATCTAAGCTC TATTTGAATGAGTTGCGTCCTTTCGTGCAAGCTGAGTTTTCTTATGCCGA TCATGAATCTTTTACAGAGGAAGGCGATCAAGCTCGGGCATTCAAGAGCG GACATCTCCTAAATCTATCAGTTCCTGTTGGAGTGAAGTTTGATCGATGT TCTAGTACACATCCTAATAAATATAGCTTTATGGCGGCTTATATCTGTGA TGCTTATCGCACCATCTCTGGTACTGAGACACGCTCCTATCCCATCAAG AGACATGGACAACAGATGCCTTTCATTTAGCAAGACATGGAGTTGTGGTT AGAGGATCTATGTATGCTTCTCTAACAAGTAATATAGAAGTATATGGCCA TGGAAGATATGAGTATCGAGATGCTTCTCGAGGCTATGGTTTGAGTGCAG

GAAGTAGAGTCCGGTTCTAAAAATATTGGTTAGATAGTTAAGTGTTAGCG TTCCTATTCGTATGGATTCGCGAGCTCTCCTCAAGTGTTAACGCCTAATG TAACCACTCCTTTTAAGGGAGACGATGTTTACTTGAATGGAGACTGCGCT TTTGTCAATGTCTATGCAGGAGCTGAAGAAGGTTCGATTATCTCAGCTAA TGGCGACAATTTAACGATTACCGGACAAAACCATACATTATCATTTACAG ATTCTCAAGGGCCAGTTCTTCAAAATTATGCCTTCATTTCAGCAGGAGAG ACACTTACTCTGAGAGATTTTTCGAGTCTGATGTTCTCGAAAAATGTTTC TTGCGGAGAAAAGGGAATGATCTCCGGGAAAACCGTGAGTATTTCCGGAG CAGGCGAAGTGATTTTCTGGGATAACTCCGTGGGGTATTCTCCTTTATCT ACTGTGCCAACCTCATCATCAACTCCGCCTGCTCCAACAGTTAGTGATGC TCGGAAAGGGTCTATTTTTCTGTAGAGACTAGTTTGGAGATCTCAGGCG TCAAAAAAGGGGTCATGTTCGATAATAATGCCGGGAATTTCGGAACAGTT TTTCGAGGTAAGAATAATAATAATGCTGGTGGTGGAGGCAGTGGGTTCCG CTACACCATCAAGTACGACTTTTACAGTTAAAAACTGTAAAGGGAAAGTT TCTTTCACAGATAACGTAGCCTCTTGCGGAGGCGGAGTGGTTTATAAAGG CATTGTGCTTTTCAAAGACAATGAAGGAGGCATATTCTTCCGAGGGAACA CAGCATACGATGATTTAAGGATTCTTGCTGCTACTAATCAGGATCAGAAT ACGGAGACAGGAGGCGGTGGAGGAGTTATTTGCTCTCCAGATGATTCTGT AAAGTTTGAAGGCAATAAAGGTTCTATTGTTTTTGATTACAACTTTGCAA AAGGCAGAGGCGCAAGCATCCTAACGAAAGAATTC

MQTSFHKFFLSMILAYSCCSLNGGGYAAEIMVPQGIYDGETLTVSFPYTV IGDPSGTTVFSAGELTLKNLDNSIAALPLSCFGNLLGSFTVLGRGHSLTF ENIRTSTNGAALSNSAADGLFTIEGFKELSFSNCNSLLAVLPAATTNKGS QTPTTTSTPSNGTIYSKTDLLLLNNEKFSFYSNLVSGDGGAIDAKSLTVQ GISKLCVFQENTAQADGGACQVVTSFSAMANEAPIAFVANVAGVRGGGIA AVQDGQQGVSSSTSTEDPVVSFSRNTAVEFDGNVARVGGG I YSYGNVAFL NNGKTLFLNNVASPVYIAAKQPTSGQASNTSNNYGDGGAIFCKNGAQAGS NNSGSVSFDGEGVVFFSSNVAAGKGGA I YAKKL SVANCGPVOFLRN I AND GGATYLGESGELSLSADYGDTTFDGNLKRTAKENAADVNGVTVSSQATSM GSGGKITTLRAKAGHQILFNDPIEMANGNNQPAQSSKLLKINDGEGYTGD IVFANGSSTLYQNVTIEQGRIVLREKAKLSVNSLSQTGGSLYMEAGSTWD FVTPQPPQQPPAANQLITLSNLHLSLSSLLANNAVTNPPTNPPAQDSHPA VIGSTTAGSVTISGPIFFEDLDDTAYDRYDWLGSNOK INVLKLOLGTKPP ANAPSDLTLGNEMPKYGYQGSWKLAWDPNTANNGPYTLKATWTKTGYNPG PERVASLVPNSLWGSILDIRSAHSAIQASVDGRSYCRGLWVSGVSNFFYH DRDALGQGYRY I SGGYSLGANSYFGSSMFGLAFTEVFGRSKDYVVCRSNH HACIGSVYLSTQQALCGSYLFGDAF IRASYGFGNQHMKTSYTFAEESDVR WDNNCLAGE IGAGLP I V I TPSKLYLNEL RPF V QAEF SYADHESF TEEGDO ARAFKSGHLLNLSVPVGVKFDRCSSTHPNKYSFMAAYICDAYRTISGTET TLLSHQETWTTDAFHLARHGVVVRGSMYASLTSNIEVYGHGRYEYRDASR **GYGLSAGSRVRF**

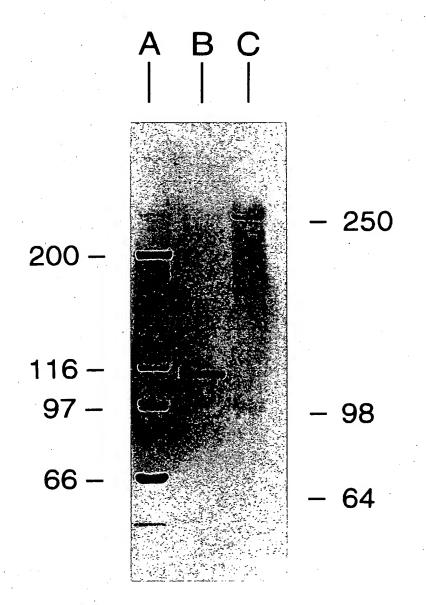


FIG.4

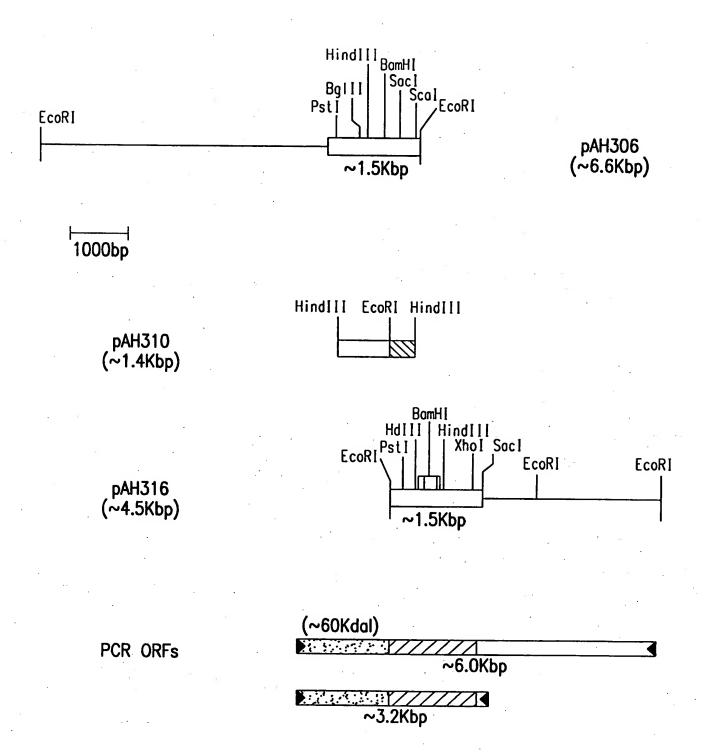


FIG.5

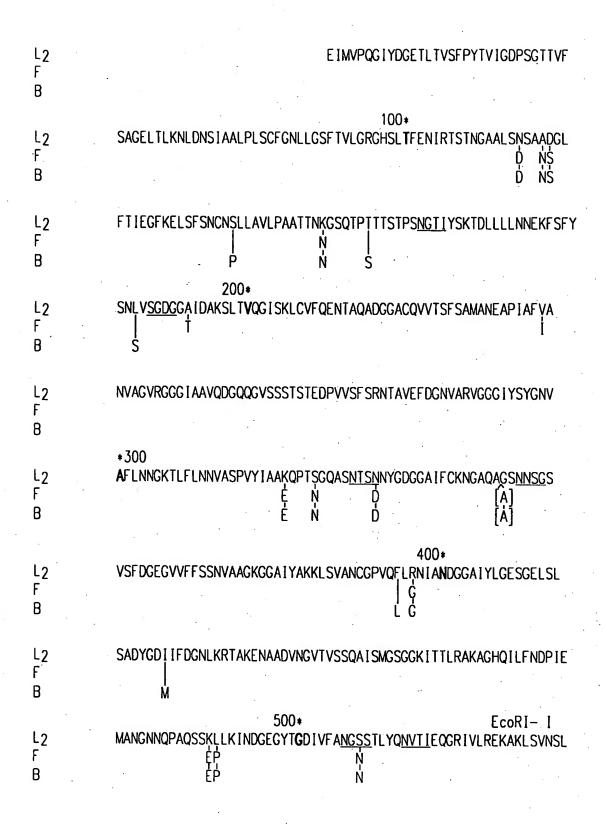


FIG. 6A

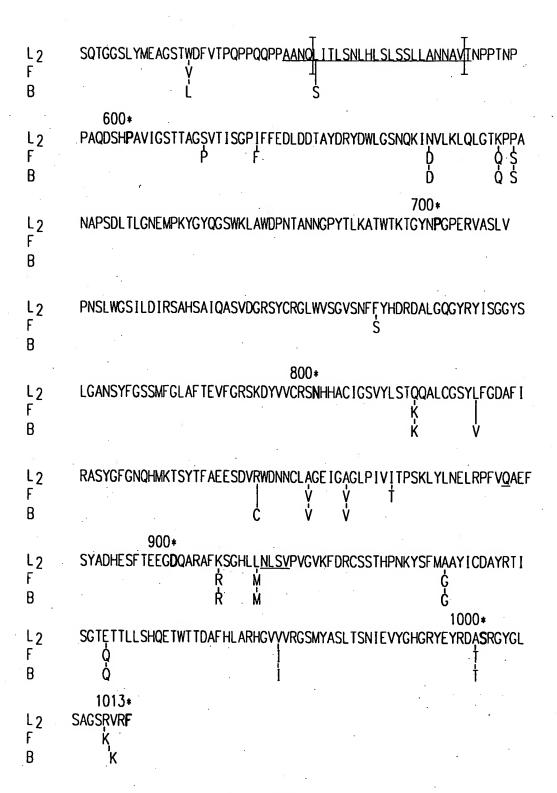


FIG. 6B

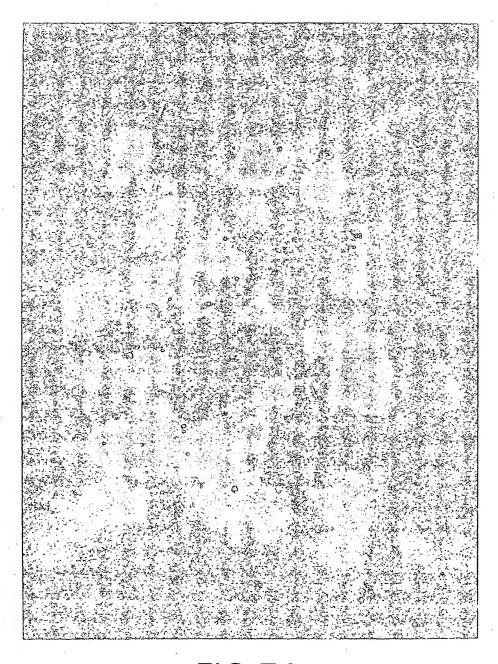


FIG.7A

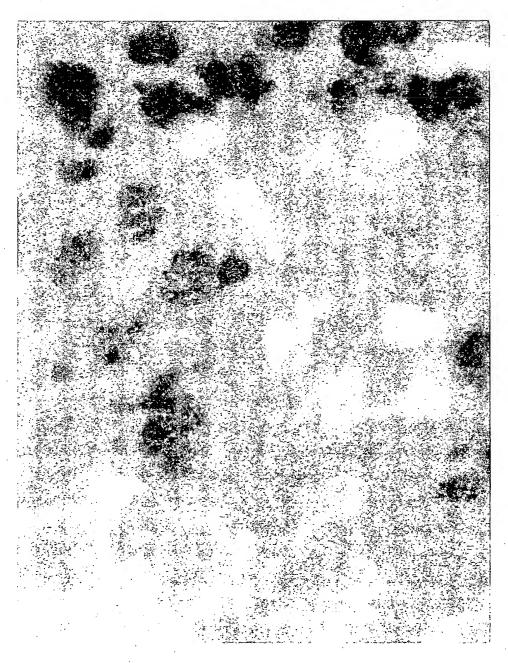


FIG.7B